

SDMS US EPA REGION V -1

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DOCUMENTS.**

D A I L Y
F I E L D
R E P O R T

DATE: February 13, 1987
TIME: 0730 to 1200
PLACE: Intersection of Little Ave.
& Falling Springs Road
WEATHER: Partly Cloudy, 40s

PROJECT: JOB 10224A
CERRO COPPER
IEPA RI/FS OVERSIGHT

DISTRIBUTION:
S. Silverstein, Cerro (3 copies)
JBC/LJO/ED 10244-1.3

PERSONNEL ON SITE:

<u>Name</u>	<u>Affiliation</u>	<u>Hours</u>
Dave Guyan	Sverdrup	4.5
Tim Maley	Ecology & Environment (E&E)	4.5
Pete Alvey	Ecology & Environment (E&E)	4.5
Jerry Hamman	Fox Drilling	4.5
Robbie Crachity	Fox Drilling	4.5
Henry Colligan	Drillers Union Official	4.5

FIELD WORK SUMMARY:

1. Dave Guyan arrived at Metro Field Office at 0730. The above listed crew members departed to the intersection of Little Avenue and Falling Springs Road. This location will serve as background soil and water samples for the Cerro Copper plant site. The location was numbered I12/EE-20 (see Attachment A).
2. Initial soil sample was collected at 0745 from depth 0-1.5'. All personnel wore Saranex suits, overboots and gloves.
3. The hole collapsed at 20.0' so drillers pumped water down hole to remove debris. Drilling then advanced down to a total depth of 28.0'. Water was pumped down hole at 28.0' before screen was installed. The stainless steel screen was placed from 28.0' to 23.0' and stainless steel riser from 23.0' to 2.0' above surface.
4. A natural sand pack was used to 2.0' above the screen. J. Hamman inserted a bentonite pellet seal from 21.0' to 19.0'. Drillers then poured dry cement down the hole.
5. Soil cuttings from around the hole were shoveled into buckets and dumped along the curb of Falling Springs Road. R. Crachity then set a locking well cover over the well and placed a final bag of dry cement around the hole. He then added water to smooth cement around the base.
6. All personnel departed from this location and prepared to develop wells on Cerro Copper's triangular parcel (see Attachment A). Personnel set up equipment at well EEG-106 at 1010. T. Maley took

February 13, 1987

initial water measurement using a stainless steel tape. The drillers then inserted a pump down the well. The pump was constructed of 10' sections of 3/4" PVC pipe. A rubber pressure ran through the pipe and was connected to a 2500 psi air tank. The water pumped from the well was transferred into a 55-gallon drum. The drum will remain on site pending proper disposal procedures by E&E. T. Maley calculated approximately 30 gallons of water was to be removed for developing 10 well volumes. He based this on the total water column and the well diameter. This procedure was also followed for well G3/EE-11. Water level data is listed below for both wells.

<u>Monitor Well</u>	<u>Water Level (from top of casing - Feet)</u>	<u>Total Water Column (Feet)</u>	<u>Water Drawn From Well (Gallons)</u>
G4/EEG-106	10.07	13.0	30
G3/EE-11	11.48	11.5	30

R. Crachity and H. Colligan deconned the well pump using a solution of TSP-90 as a cleanser and a water rinse.

7. Monitoring well developing was completed at 1145. D Guyan went to Metro Field Office to obtain Cerro Copper's background soil samples from well I12/EE-20. D. Sewall had chain-of-custody record prepared and relinquished samples to D. Guyan (see Attachment B).
8. D. Guyan arrived at Sverdrup Corporation office and prepared samples for shipment. Samples were taken to Greyhound Package Express for delivery to Daily Analytical Services in Peoria, Illinois.
9. D. Guyan took 11 pictures of the field work.

Attachments

David W. Guyan
Sverdrup Corporation



195 SUGG ROAD, P.O. BOX D, BUFFALO, N.Y., 14225. TEL. 716-632-4491
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD / RECEIPT FOR SAMPLES

Page 1 of 1

Distribution: Original Accompanied Shipment: Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form.

ATTACHMENT B

GREYHOUND BUSBILL Co. 60 STATE MO

DESTINATION STATION Peoria Ill

CONSIGNEE Deely Analytical Lab

STREET ADDRESS 1621 W. Caldwell St

NO. OF PIECES 1 ENV. X SACK CTN. OTHER

CONTENTS

SHIPPER'S NAME Greengrove Corp

STREET ADDRESS 401 N. 11th St.

ORIGIN CITY & STATE ST. LOUIS, MISSOURI

PHONE 159 107 679 5

DECL. VALUE ACTUAL WT. 16 LBS. TARIFF WT. LBS.

CONSIGNEE NOTIFIED TIME AM PM

DO NOT WRITE IN THIS SPACE

ROUTING: INSERT EACH COMPANY'S ABBREVIATION AND JUNCTION POINT ON LINES BELOW

COMPANY Greengrove Corp TO Peoria Ill

15c

EXPRESS CHARGES \$ 96.00

PICK UP CHARGES \$

DELIVERY CHARGES \$

VALUE CHARGES \$

STATE TAX \$

TOTAL PREPAID \$ 96.00

CHG. ACCT. ☐ DELIVERY ☐

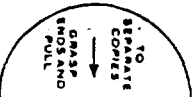
NO. 2 DAY 13 YEAR 87 TIME 2:15

FORWARDING AGENT

(NOT NEGOTIABLE) SUBJECT TO TARIFF REGULATIONS
 LIABILITY: The carrier will not pay over \$50.00 for any shipment of 100 pounds or less, or 50c per pound actual weight for any shipment in excess of 100 pounds, unless a greater value is declared and charges for such greater value paid. Maximum valuation any one shipment is limited by tariff.

SHIPPER'S RECEIPT PREPAID NO. DATE AMOUNT

FORM OP-17 (8-79) PRINTED IN U.S.A.



ATTACHMENT B